

EATON 3S

550/700



Installation and user manual

English - Français

Deutsch - Italiano

Español - Nederlands

Português - Ελληνικά

Polski - Český

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РУССКИЙ

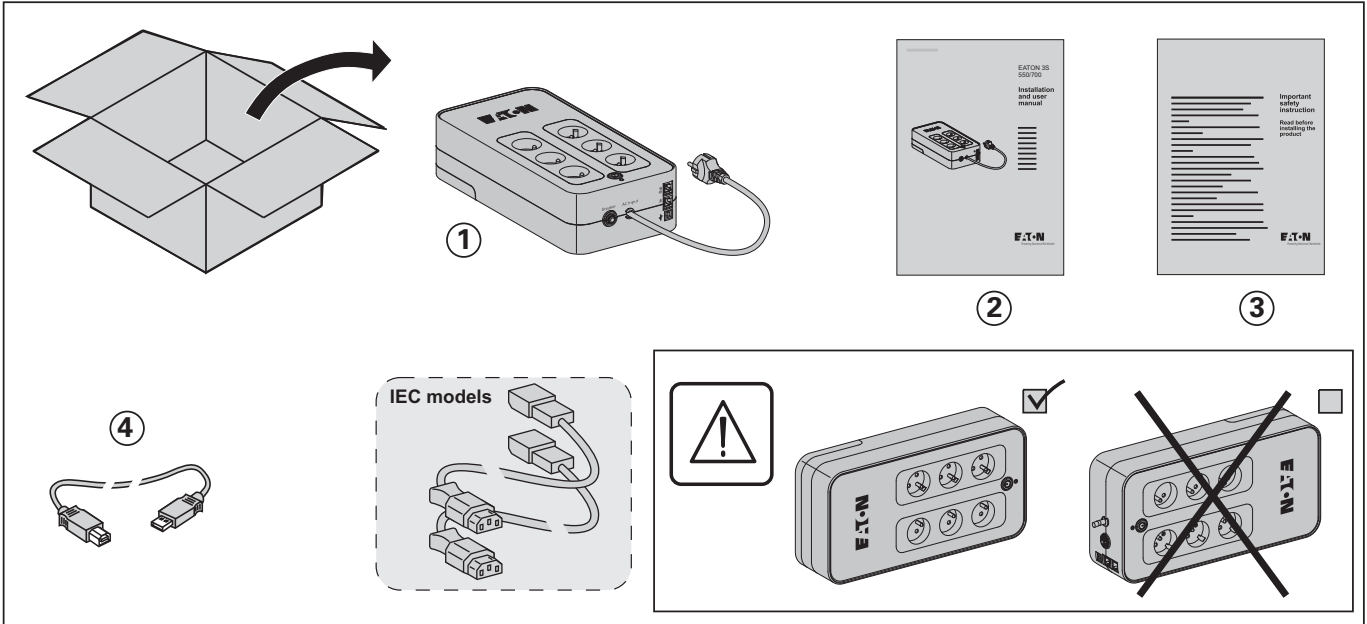
Svenska - Suomi

عربي

EATON

Powering Business Worldwide

Packaging



Caution!

- Before installing the **Eaton 3S**, read the booklet (3) containing the safety instructions to be respected. Then follow the instructions given in this manual (2).
- Avant l'installation de **Eaton 3S**, lire le livret (3) qui présente les consignes de sécurité à respecter. Suivre ensuite les instructions du présent manuel (2).
- Vor Installation des **Eaton 3S** die im Heft (3) genannten Sicherheitsvorschriften lesen. Anschließend die Anweisungen im vorliegenden Handbuch (2) befolgen.
- Prima dell'installazione del **Eaton 3S**, leggere attentamente le istruzioni di sicurezza riportate sul libretto (3). In seguito, attenersi alle istruzioni riportate sul presente manuale (2).
- Antes de la instalación del **Eaton 3S**, leer el manual (3) que presenta las instrucciones de seguridad a cumplir. A continuación, seguir las instrucciones del presente manual (2).
- Lees voordat u het **Eaton 3S** gaat installeren eerst de veiligheidsinstructies in boekje (3). Volg daarna de instructies van deze handleiding (2).
- Antes da instalação do **Eaton 3S**, ler o caderno (3) onde constam as instruções de segurança a respeitar. Depois, seguir as instruções do presente manual (2).

- Πριν την εγκατάσταση του **Eaton 3S**, διαβάστε το φυλλάδιο (3) με τις συμβουλές ασφαλείας που πρέπει να τηρείτε. Στη συνέχεια, ακολουθήστε τις οδηγίες χρήσης αυτού του φυλλαδίου (2).
- Przed zainstalowaniem **Eaton 3S**, należy przeczytać instrukcję (3), która zawiera niezbędne zalecenia bezpieczeństwa. Następnie należy zapoznać się z zaleceniami zawartymi w niniejszej instrukcji (2).
- Před instalací zdroje **Eaton 3S** si prostudujte příručku (3) kde najdete bezpečnostní předpisy, které je třeba dodržovat. Dále postupujte podle pokynů uvedených v příručce (2).
- Pred inštaláciou výpusťky si prečítajte knižku (3), v ktorej sú uvedené bezpečnostné príkazy, ktoré je potrebné dodržať. Potom postupujte podľa pokynov tejto príručky (2).
- Preden instalirate **Eaton 3S**, preberite knjižico (3), v kateri so varnostna navodila, ki jih je treba upoštevati. Nato sledite navodilom tega priročnika (2).
- Az **Eaton 3S** telepítése előtt olvassa el a (3)-es könyvet, mely a betartandó biztonsági előírásokat tartalmazza. Ezután kövesse a jelen, (2)-ös kézikönyv utasításait.
- **Eaton 3S** tesisatini yapmadan önce, uyulacak güvenli talimatlarını gösteren (3) sayılı kitapçığı okuyunuz. Dana sonra isbu (2) sayılı ei kitabındaki talimatlara uyunuz.

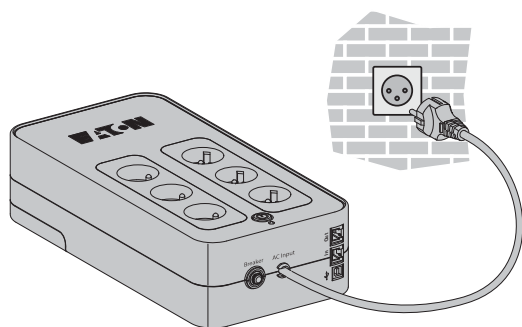
- Перед установкой **Eaton 3S**, прочитайте инструкцию (3) с правилами по технике безопасности, которые необходимо соблюдать. Затем следуйте указаниям настоящего руководства (2).

ذیر!

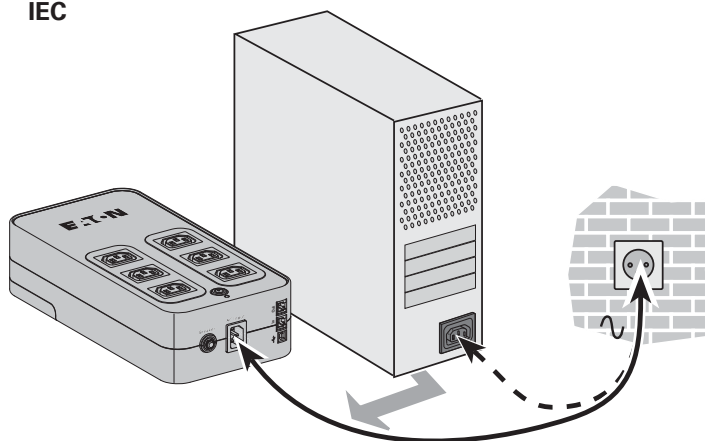
- تركيب جهاز **Eaton 3S** يجب الرجوع للكتيب (3) ي يشمل على إرشادات الأمان التي يجب التقيد بها، اتبع التعليمات الموجودة في هذا الدليل (2).
- Innan installation av **Eaton 3S**, läs instruktionsmanualen (3) innehållande säkerhetsinstruktionerna och följ sedan dem. Följ sedan instruktionerna som ges i denna manual (2).
- Lue nämä ohjeet ennen **Eaton 3S** asennusta turvallisuusohjeet (3) ja käyttöohjeet (2).

Quick start

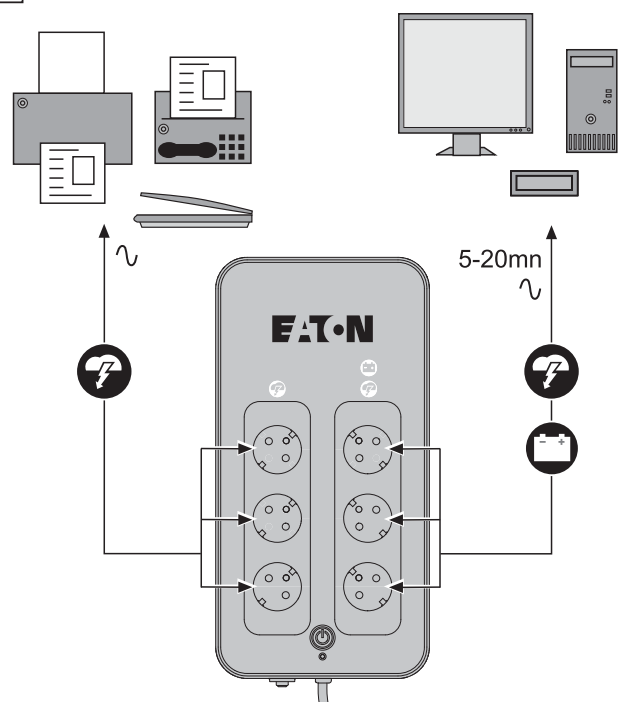
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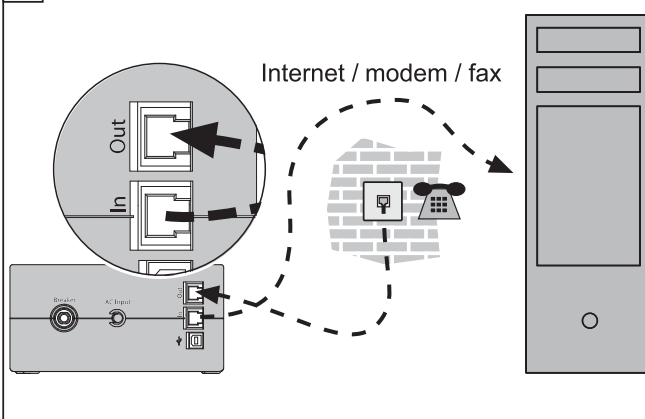
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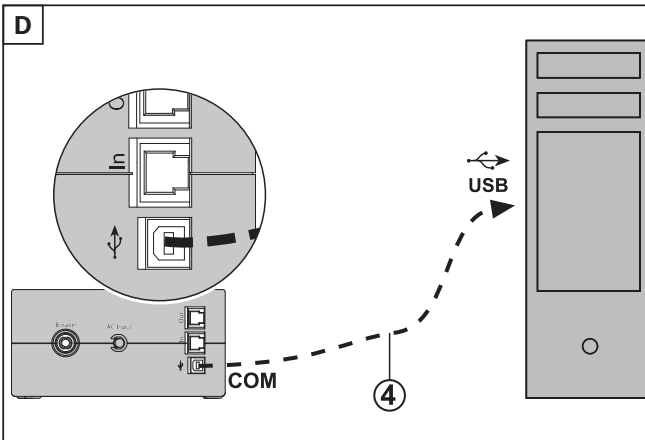
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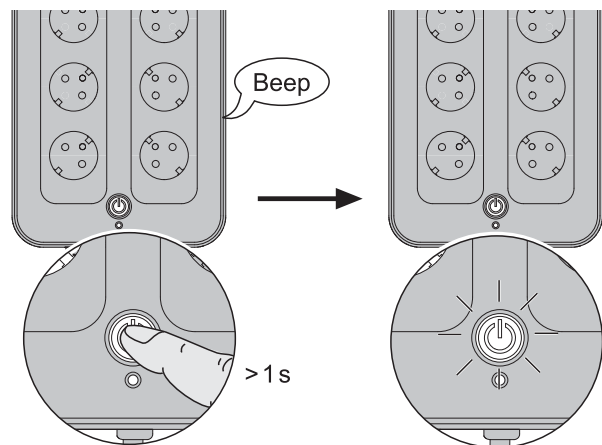
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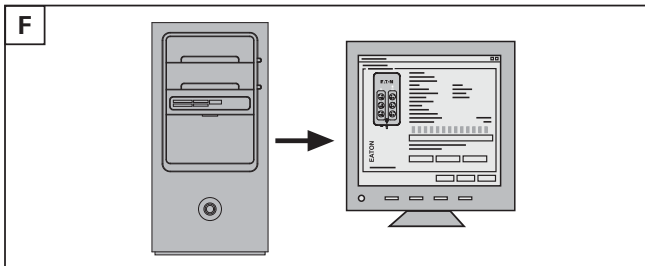
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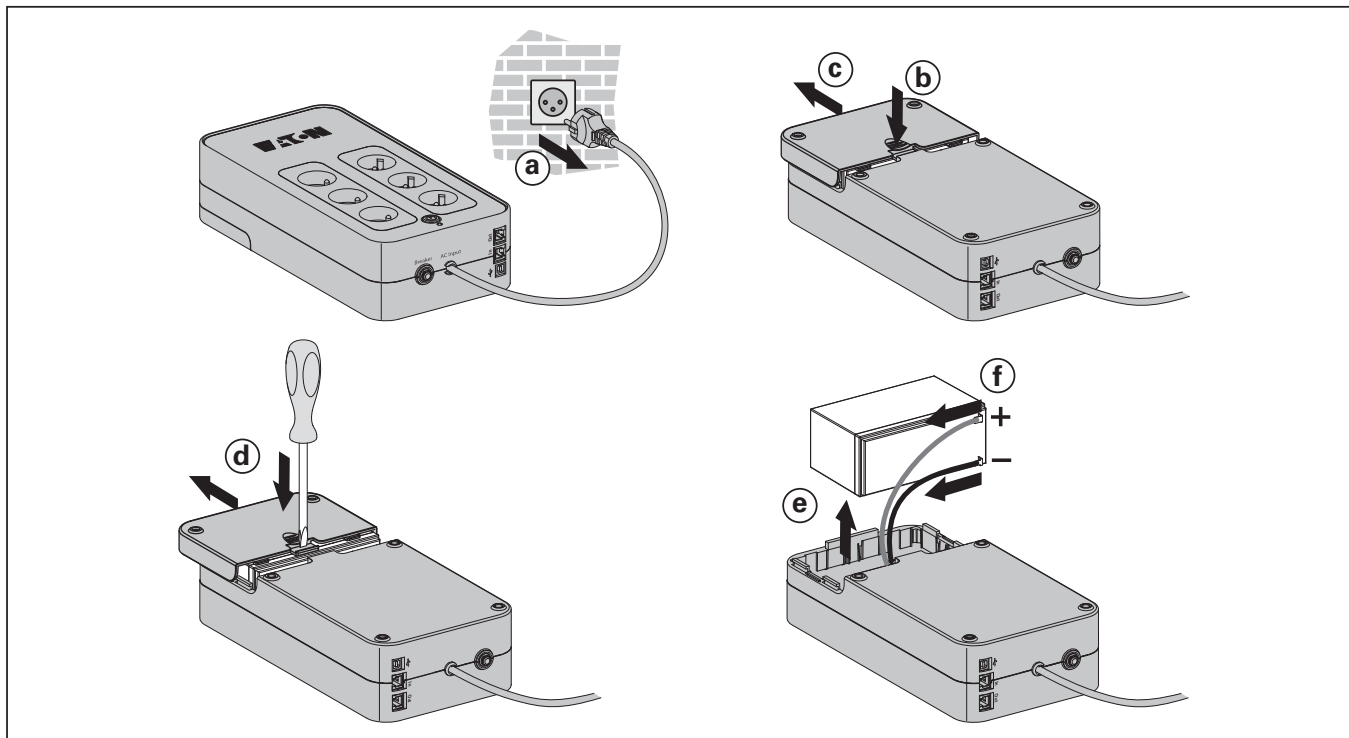
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Download Personal Solution-Pac at:
powerquality.eaton.com

Register warranty at: powerquality.eaton.com

Battery change



● **Warning:** take care not to inverse the polarity + (red) and - (black) when connecting the batteries as this will destroy the device.

Technical characteristics

EATON 3S	550	700
● UPS power	550 VA / 330 W	700 VA / 420 W
● Nominal input voltage	184 V - 264 V, adjustable to 161 V - 284 V	
● Input frequency	50/60 Hz (46 - 70 Hz working range)	
● Voltage/frequency of battery backup outlets ⑥ in battery mode	220 V / 230 V / 240 V $\pm 7\%$ (50/60 Hz ± 1 Hz) with pseudosinusoidal wave	
● Total output current for all outlets	10 A max	
● Output current of battery backup outlets ⑥	2.4 A max	3.1 A max
● Leakage current	0.5 mA	
● Input protection	10 A resettable circuit breaker	
● Transfer time	5 ms typical	
● Telephone surge protection	Tel, ISDN, ADSL, Ethernet	
● Sealed lead-acid battery	12 V, 5 Ah	12 V, 7 Ah
● Automatic battery test	Once a week	
● Average battery life	4 years typical, depending on number of discharge cycles and temperature	
● Operating temperature	0 to 40 °C	
● Storage temperature	-25 °C to +55 °C	
● Operating relative humidity	0 to 85 %	
● Operating elevation	0 to 2000 m	
● Safety standards	IEC 62040-1, CE certified	
● Electromagnetic compatibility standards	IEC 62040-2	
● Warranty	2 years	
● Dimensions (mm)	335 x 140 x 86	335 x 170 x 86
● Weight (Kg)	2.9	3.8

(*) **Warning:** EATON 3S is a class C2-UPS product. In a domestic environment, these products may cause radio interference, in which case, the user may be required to take additional measures.
Output cables should not exceed 10 m length.

Operating conditions

● This product is an **Uninterruptible Power Supply (UPS)** for computers and their peripherals, television sets, stereo systems and video recorders... It must not be used to supply other electrical equipment (lighting, heating, household appliances, etc.).

UPS connections

● Connect the **UPS** (1) to the AC-power system via a wall outlet with an earth connector, using the attached cord for a **UPS** with FR/DIN sockets or with the supply cord of your computer for a **UPS** with IEC sockets (see figure A).

● Plug critical equipment (computer, monitor, modem, etc.) into the outlets (6) providing battery backup power and surge protection (see figure B), taking care not to exceed the rated current indicated in amperes.

● Other devices (printer, scanner, fax, etc.) can be connect to the filtered outlets (5) that provide surge protection (see figure B). The filtered outlets are not backed up by battery power in the event of a power outage.

● Optional Internet modem / Network connection:

A modem or Ethernet data line can be protected against surges by connecting it via the **UPS**. Connect the existing device cable between the wall outlet and the **UPS**, and use a similar cable between the **UPS** and the device, as indicated in figure C (cable not supplied).

● Optional USB connection:

The **UPS** devices can be connected to the computer using the USB cable (4) supplied.

● Download Personal Solution-Pac software at powerquality.eaton.com.

● Register warranty at powerquality.eaton.com.

Operation

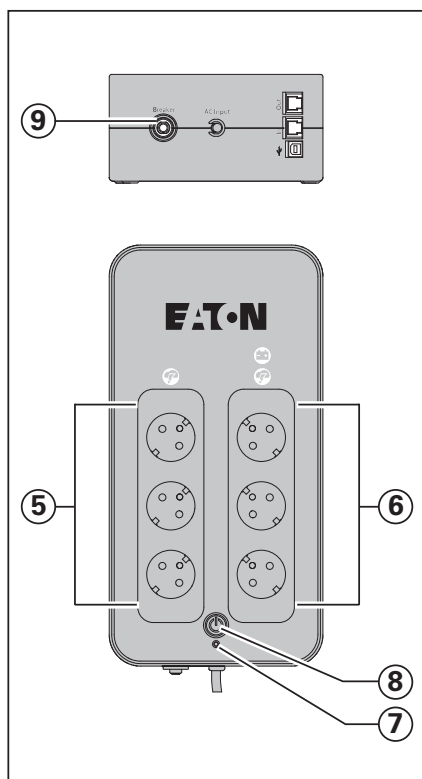
(5): Filtered outlets.

(6): Battery backup outlets.

(7): LED ON indicate a **UPS** fault.

(8): ON/OFF button for the battery backup outlets.

(9): Protection circuit breaker.



● Battery charge: The **UPS**

charges the battery as soon as it is connected to the AC outlet, whether button (8) is pressed or not. When used for the first time, the battery will only provide its maximum autonomy after it has been charged for 8 hours. It is recommended that the **UPS** be permanently connected to the AC power supply to ensure the best possible autonomy.

● **Switching-on the **UPS**:** press button (8) for about 1 second.

● **Filtered outlets (5) without battery backup:** Equipment connected to these outlets is supplied as soon as the AC cord is plugged in. They are not affected by button (8).

● **Battery backup outlets (6):** Equipment connected to these outlets is supplied as soon as button (8) turns green (see figure E). These outlets can be turned on even if the **UPS** is not connected to AC power (button (8) flashes).

● **AC-power disturbance:** If AC power is disturbed or fails, the **UPS** continues to operate on battery power. Button (8) flashes green. In normal mode, the audio alarm beeps every five seconds, then every two seconds when the end of battery backup time is near.

● If the power outage lasts longer than the battery backup time, the **UPS** shuts down and automatically restarts when power is restored. Following a complete discharge, a few hours are required to recharge the battery back to full backup time.

● To save battery power, it is possible to press button (8) to cut the supply of power to the devices connected to the battery backup outlets.

● **Lightning protection:** All outlets, whether backed up or simply filtered, include surge protection, whatever the position of button (8).

● **Shutdown of the battery backup outlets (6):** Press button (8) for more than two seconds.

Battery disposal and safety

● **Caution.** Battery service life is reduced by 50 % for every ten degrees above 25 °C.

● **The battery elements must be replaced exclusively by qualified personnel (risk of electrocution),** with new elements approved by EATON to ensure correct operation of the **UPS**.

● The battery must be disposed of in accordance with applicable regulations. To remove the battery elements, shut down the **UPS** (button (8) OFF), remove the power cord and proceed as indicated in page 4 "Battery change".

Troubleshooting (For further information, visit the powerquality.eaton.com site or contact after-sales support)

	Problem	Diagnostic	Solution
1	● The battery backup outlets (6) are not supplied with power.	● Button (8) is not lighted on.	● Press button (8) and check that it turns green.
2	● The connected devices are not supplied when AC power fails.	● The devices are not connected to the battery backup outlets (6).	● Connect the devices to the battery backup outlets (6).
3	● AC power is available, but the UPS operates on battery power.	● Circuit breaker (9), located under the UPS , has been tripped by an overload on the UPS output.	● Disconnect excess equipment and reset the circuit breaker (9) by pressing the corresponding button.
4	● The filtered outlets (5) are not supplied.	● The wall outlet is not supplied. ● Circuit breaker (9), located under the UPS , has been tripped by an overload on the UPS output.	● Supply power to the wall outlet. ● Disconnect excess equipment and reset the circuit breaker (9) by pressing the corresponding button.
5	● Green button (8) flashes frequently and audio alarm beeps.	● The UPS frequently operates on battery power because the AC power source is of poor quality.	● Have the electrical installation checked by a professional or use another wall outlet.
6	● Green button (8) flashes frequently and audio alarm continuous.	● The UPS battery backup outlets (6) are overloaded.	● Disconnect excess equipment connected to the battery backup outlets (6).
7	● Red LED (7) is on and the audio alarm beeps every 30 seconds.	● A fault has occurred on the UPS . The battery backup outlets (6) are no longer supplied.	● Call after-sales support.
8	● The telephone line is disturbed or modem access is not possible.	● Surge protection on the telephone line is no longer provided.	● Disconnect the telephone line from the wall outlet. ● Call after-sales support.
9	● Red LED (7) flashes.	● The battery has reached the end of its service life.	● Have the battery replaced.